

# Protecting Health – For Life: Immunization Successes and Challenges



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March 21, 2005



# CDC's Overarching Health Protection Goals

- **Health Promotion & Prevention of Disease, Injury, and Disability**

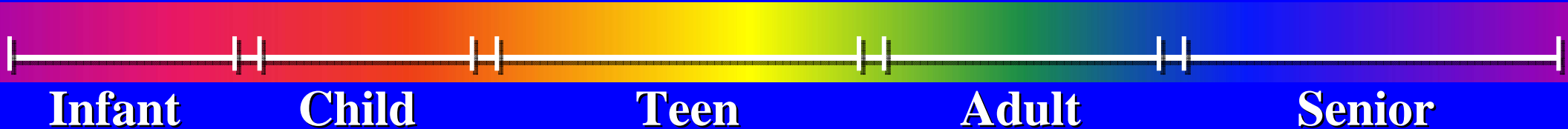
All people - especially those at greatest risk for health disparities - will achieve their optimal lifespan with the best possible quality of health in every stage of life

- **Preparedness**

People in all communities will be protected from infectious, occupational, environmental, and terrorist threats



# Lifestage Goals: Putting People First



## Immunization programs as model for CDC

- People-centric: health and health goals in the context of people's lifestages and their needs and interests
- Set goals and measure progress for specific objectives
- Align resources and research to achieve goals

# Childhood Immunization Successes

	20th Century Annual Morbidity	2004*	Percent Decrease
Smallpox	48,164	0	100
Diphtheria	175,885	0	100
Measles	503,282	37	99.99
Mumps	152,209	236	99.84
Pertussis	147,271	18,957	87.13
Polio (paralytic)	16,316	0	100
Rubella	47,745	12	99.97
Congenital Rubella Syndrome	823	0	100
Tetanus	1,314	27	97.95
<i>H. influenzae</i> , type b and unknown (<5 yrs)	20,000	172	99.14

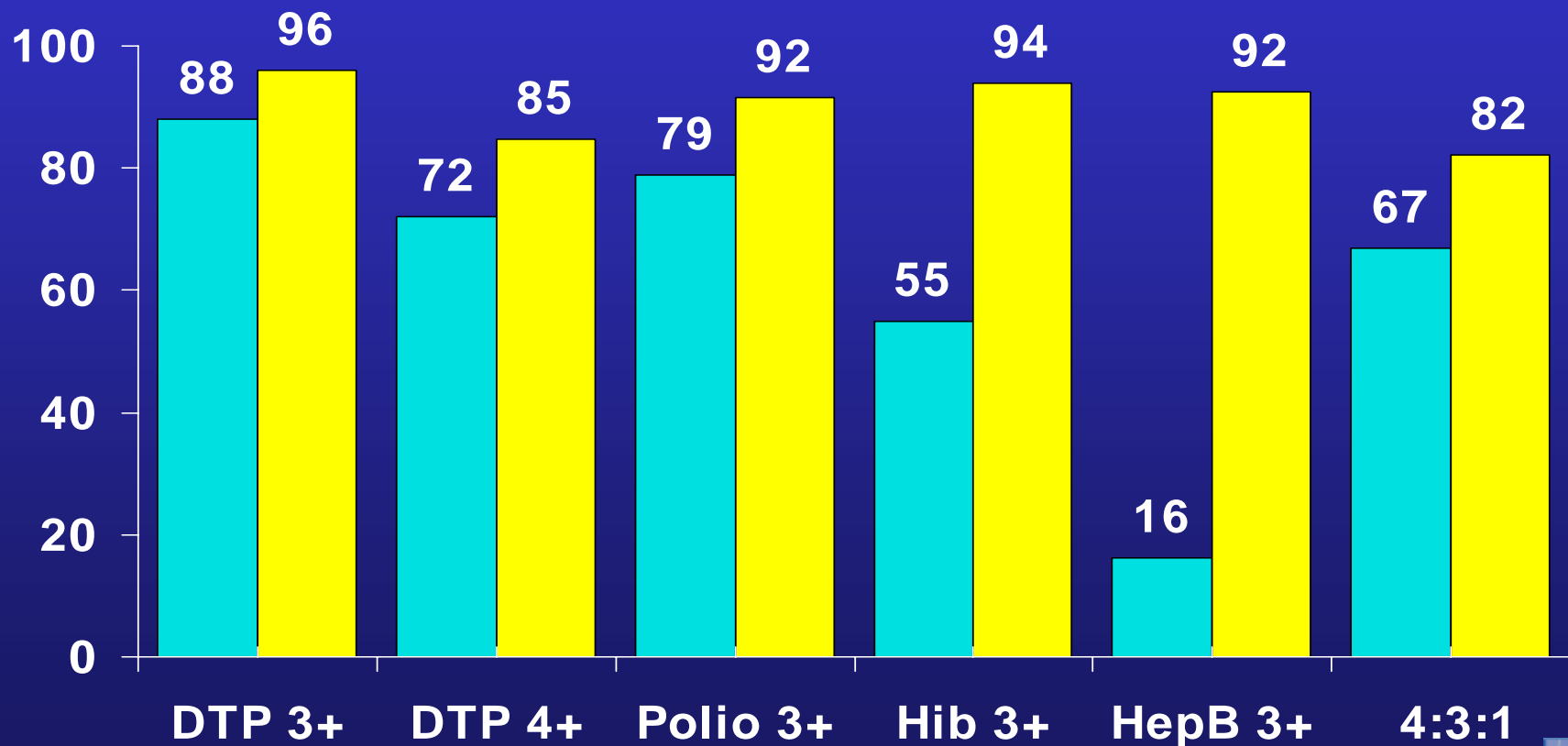


Provisional 2004 data



# Childhood Immunization Successes Coverage Rates are at Record Levels

Percent



Sources:

1993—National Health Interview Survey

July 2003-June 2004—National Immunization Survey



# Flu Shots Over All Vaccine Used

Call Santa Clara County Health Dept. for  
other sites: 792-5200

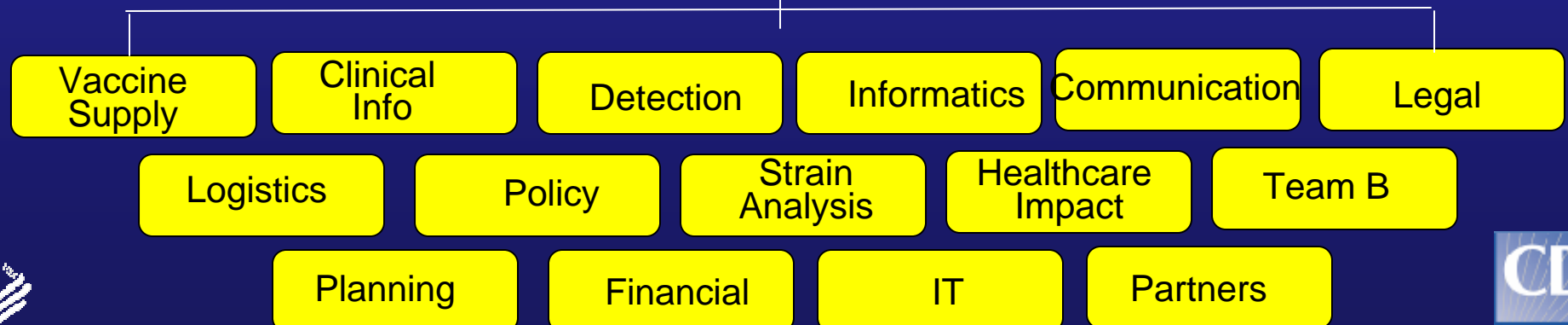




# CDC's Operation Influenza 2004-2005



## Coordinating Center Infectious Diseases



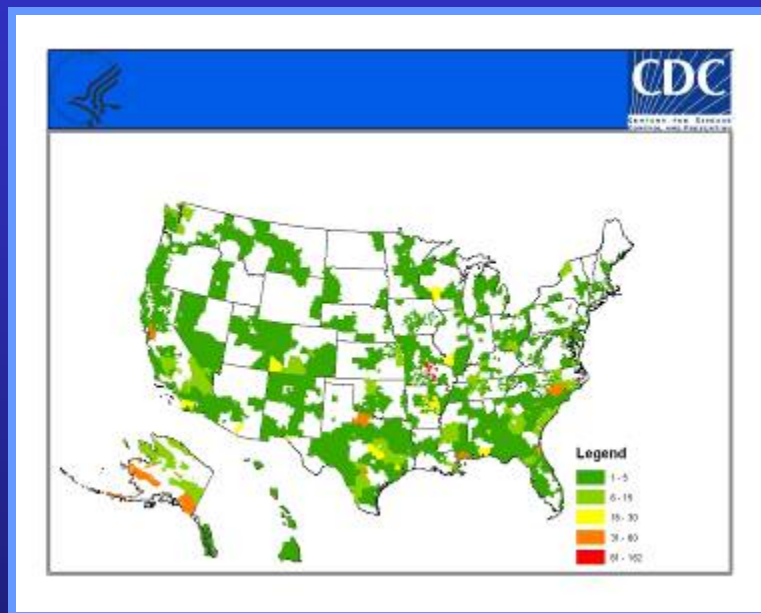
# New Networks for Influenza Protection: 2004-05



**Household Survey:  
Vaccine Use**



**Laboratories: Virus  
Genetic Sequencing  
& Rapid H5 detection**



**BioSense: Influenza-like Illness  
Clinic Visits**

State	Vaccine Type	Allocation
California	Flu Vaccine	100
Texas	Flu Vaccine	100
New York	Flu Vaccine	100

**State & Local Health  
Officials: Secure Vaccine  
Allocation Database**



**Long-term Care:  
Vaccine Needs Survey**



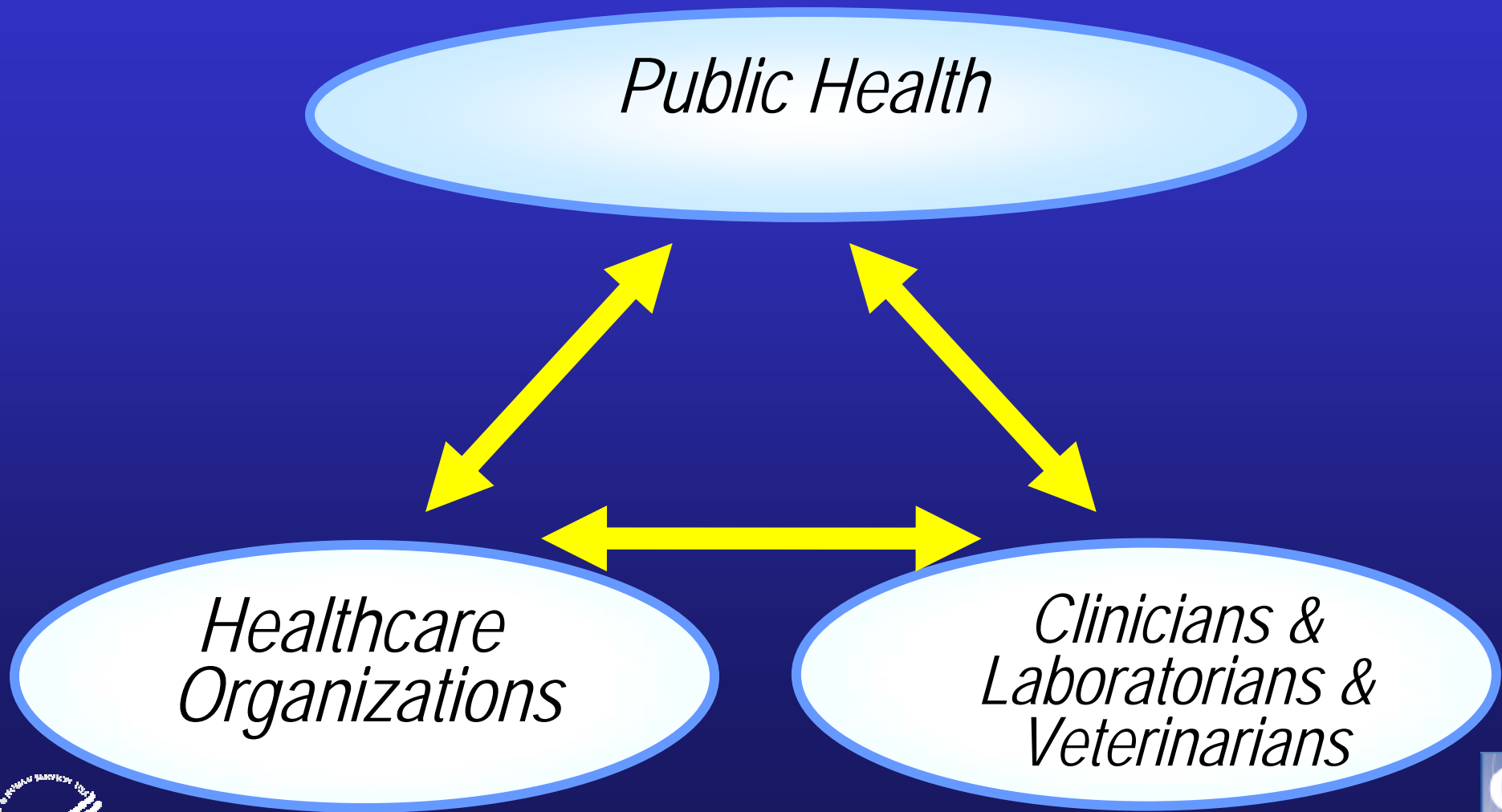
# Out-of-the-Box Communications Outreach



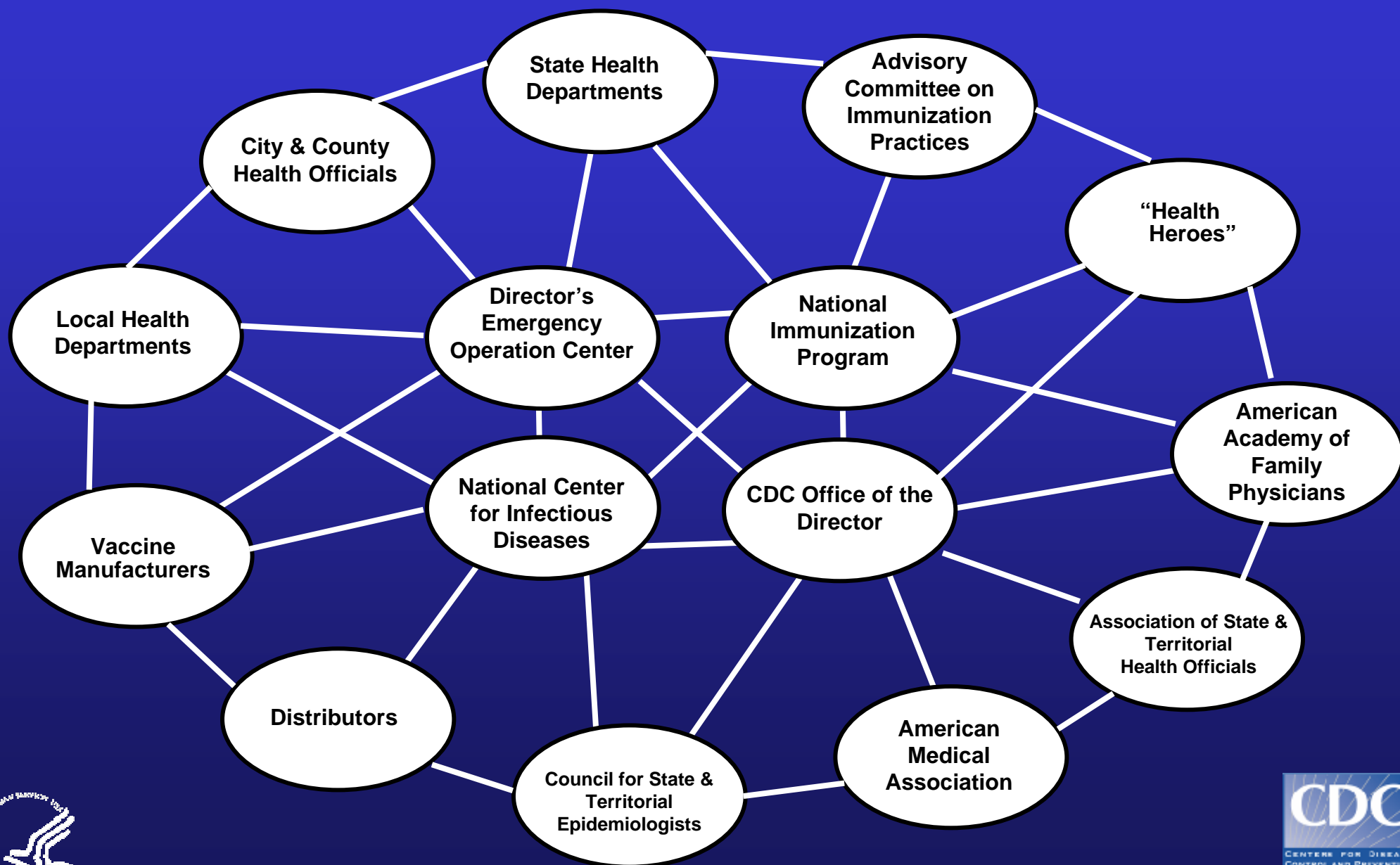
Kiosk at the nation's first health museum in Cleveland debuts innovative outreach tool, which includes where to get a flu shot



# Public Health Networks



# 2004–5 Influenza Season—An Amazing Collaboration





**Health  
Protection  
Heroes!**





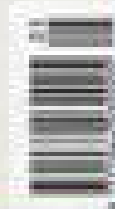


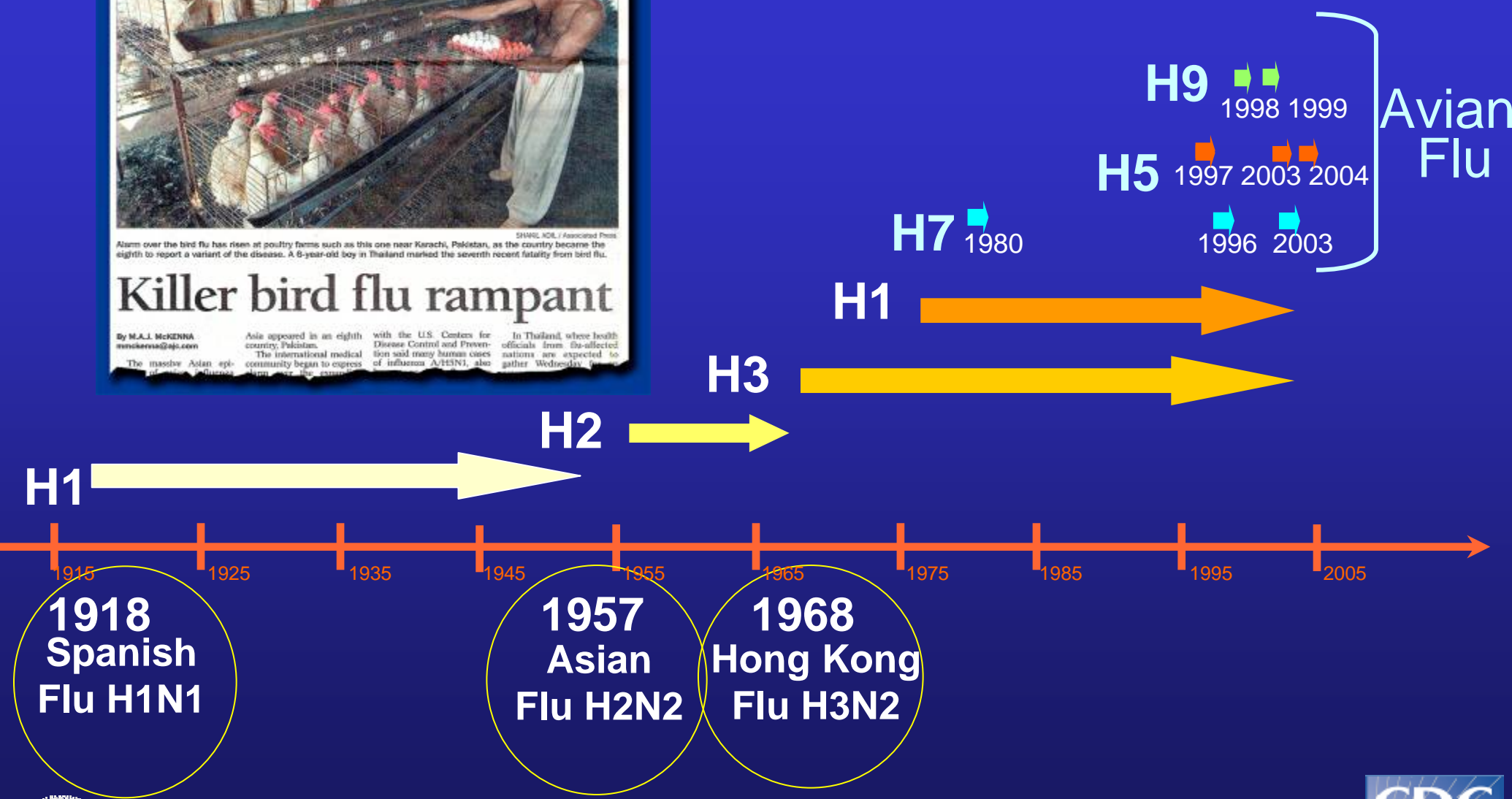
# TIME



## BIRD FLU

Is Asia  
hatching  
the next human  
pandemic?





# Epizootic of Influenza A (H5N1) in Asia, 2003-04

- Largest epizootic of highly pathogenic avian influenza in poultry ever described
- Very complex epizootic due to back yard flocks and infection of wild birds—rapid eradication of virus impossible
- Eight countries reported poultry outbreaks



# HHS Pandemic Influenza Preparedness & Response Plan

- Define preparedness needs
- Provide guidance to State/local health departments and health care organizations for planning
- Outline coordination and implementation of a response
- Identify key issues that remain to be resolved



Plan posted at  
[www.hhs.gov/nvpo/pandemicplan](http://www.hhs.gov/nvpo/pandemicplan)



# Vaccine Safety – New Challenges...

- More vaccines to oversee
- Investment not kept up with demands
- Benefits “invisible” as diseases disappear
- Real and perceived risks of vaccine more apparent
- Public trust at stake







Death ....



Illness...



Health ...

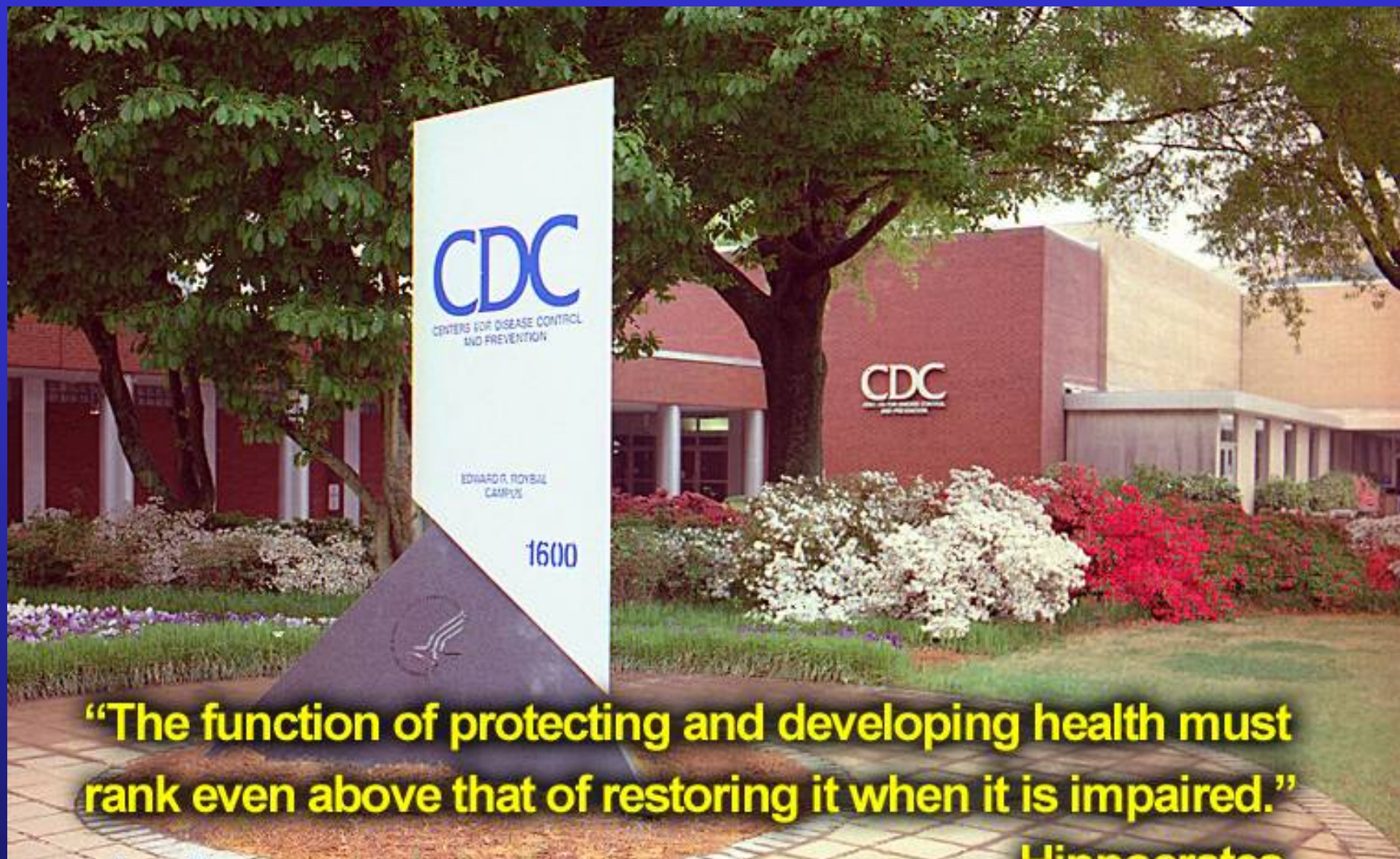


Life ....

# Aspiration







**"The function of protecting and developing health must rank even above that of restoring it when it is impaired."**

**Hippocrates**

**[www.cdc.gov](http://www.cdc.gov)**

